

## ***REMARKS***

Claims 1-30 are pending.

Claims 1-30 stand rejected.

Claims 1-30 are amended herein.

### ***Information Disclosure Statement***

The IDS submitted on October 23, 2006, was admitted as being in compliance with 37 CFR 1.97, however as failing to comply with 37 CFR 1.98.

Applicant herein submits a further supplemental IDS to identify the lack of information objected to by the Examiner, so as to comply with 37 CFR 1.98. The non-patent literature document included as the first cite number, and identified as OPNET, includes a published date of August 30, 1999 as indicated in the third paragraph of that document. The non-patent literature document included as the second cite number, and identified as RILEY, includes a web published date of March 16, 2004 as indicated in the first section of that document. The non-patent literature document included as the third cite number, and identified as MANOHAR, includes a published date of November 2001 as indicated on the fifth line of that document.

### ***Claim Rejections – 35 USC § 101***

Claims 1-7 and 9-10 stand rejected under 35 USC 101 as being directed to non-statutory subject matter.

Claim 1 has been amended to recite, in part, “automatically generating a build file for use by a network management simulator” as was previously recited in claim 8 which was indicated as being directed to statutory subject matter. Accordingly, amended claims 1-7 and 9-10 are believed to also be directed to statutory subject matter.

### ***Claim Rejections – 35 USC § 102***

Claims 1-30 stand rejected under 35 USC 102(b) as being anticipated by Tyan, “Design Realization and Evaluation of a Component-Based Compositional Software Architecture for Network Simulation,” a doctoral dissertation submitted to the Graduate School at Ohio State University, 2002.

Tyan describes software architecture for performing network simulation using component-based compositional software design. A software architecture called Autonomous Component Architecture (ACA) is described which organizes software codes as

a collection of components, where each component responds to incoming data at its entry points (ports). The components process incoming signals independent of other components (see Tyan, page 12, second full paragraph). The components (or nodes) are categorized into different types, and then templates are manually constructed for each type of nodes. (page 121, first full paragraph).

The present application discloses embodiments directed to generating a simulated network that is based on monitoring an actual managed network (Field of Invention on page 1). In some embodiments, the build files are automatically generated based on a comparison of a device personality of the actual managed network.

For example, amended claim 1 recites a method for generating a simulated network, the method comprising:

- monitoring an actual managed network to determine a device personality;
- accessing a network discovery database comprising stored device personalities and associated device attributes for a plurality of device configurations;
- comparing the device personality with the stored device personalities;
- selecting one of the stored device configurations having a stored device personality that is the same as the device personality to determine the associated device attributes;
- attaching the associated device attributes to the device personality to create a new device configuration; and
- automatically generating an updated build file for use by a network management simulator describing the simulated network based on the stored device configurations and the new device configuration.

The manual construction of component described by Tyan is an example of the prior art that Applicant addressed in the Background (page 2, lines 18-20). By monitoring the actual network, the build file recited by Applicant will automatically be generated so as to include both stored and new device configurations when describing the simulated network.

Claims 2-29 have been amended to provide further novel features. For example, claim 3 has been amended to recite a stored device personality comprising “a device type and a device operating system version”. Applicant notes that the Tyan reference to a Linux operating system on page 149, last full paragraph, is not described as being included in a stored device personality, rather it is merely referenced as identifying an operating system that was run on a computer during one particular experiment.

Claim 4 has been amended to recite the method according to claim 3 further including:

selecting one of the stored device configurations having a stored device personality that is a closest match to the device personality;  
automatically creating a new device personality; and  
attaching the new device personality to the device attributes to create a new device configuration.

Tyan does not disclose a stored device personality that is a closest match to the device personality, nor of automatically creating a new device personality. Rather, as described above, a new component/node is described by Tyan as being manually constructed. Furthermore, the “identity” that is provided in the “Identity Retrieval” and “Identity Addition” is described as being an address of the node (see page 51, section 5.2.2), not a device type or a device operating system. The “identity” of Tyan, described as an address, therefore does not disclose the device personality recited by claim 4.

By way of further example, claim 10 has been amended to recite the method according to Claim 9 “wherein the event information comprises an operational history including traps, system logs and fault logs.” Applicant points out that the events described by Tyan are identified as being one of two types, namely sending and receiving (page 41, first full paragraph). Sending and receiving event types are not the same as traps, system logs and fault logs.

### ***CONCLUSION***

For the foregoing reasons, reconsideration and allowance of claims 1-30 of the application as amended is requested. The Examiner is encouraged to telephone the undersigned at (503) 222-3613 if it appears that an interview would be helpful in advancing the case.

Respectfully submitted,

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